AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer readable storage medium including a system for data presentation, comprising:

a sorting component to determine categories relating to one or more items for display, wherein the data items are structured in a hierarchical folder structure; and

a cluster component that groups the categories according to discretized states in order to control visible output to the display, the state is assigned as a property to each grouped category, wherein the states include at least a packed state that causes items in a [[the]] grouped category[[ies]] to be displayed as a single icon when viewed from each ~~any~~ higher level hierarchical folder outside of the grouped category[[ies]] and an unpacked state that causes each item in the grouped category[[ies]] to be displayed as an individual icon when viewed from each ~~any~~ higher level hierarchical folder outside of the grouped category[[ies]].

2. (Original) The system of claim 1, further comprising a user interface for displaying the items and a data storage for storing the items.

3. (Currently Amended) The system of claim 1, the items includes at least one of documents, files, folders, sub folders, presentations, images, audio files, queries, archives, or ~~and~~ code.

4. (Currently Amended) The system of claim 2, the user interface includes at least one of a tree display or ~~and~~ a contents display representing items from the tree display.

5. (Original) The system of claim 2, the cluster component controls content merging of subordinate and sibling nodes at the user interface.

6. (Cancelled).

7. (Currently Amended) The system of claim [[6]] 1, the states are persisted on a data storage component.

8. (Original) The system of claim 7, the states are associated with properties of a group.

9. (Original) The system of claim 8, the properties are associated with metadata relating to an item.

10. (Cancelled).

11. (Cancelled).

12. (Original) The system of claim 1, further comprising a rules component for determining how the items are to be displayed.

13. (Original) The system of claim 1, further comprising a switch component for selecting between the discretized states.

14. (Original) The system of claim 13, further comprising an interface component to enable users to assign states to an item or group.

15. (Original) The system of claim 13, the switch component is a flag or code associated with a collection of data items indicating whether the collection is packed or unpacked.

16. (Original) The system of claim 1, further comprising an overlapping group that includes content from various groups.

17. (Original) The system of claim 16, the overlapping group includes a recycle group and an archive group.

18. (Previously Presented) The system of claim 16, further comprising a view of at least one group A and at least one group B that shows items in A minus B .

19. (Previously Presented) The system of claim 18, further comprising a viewer that determines at least one of an intersection of groups A and B or a union of groups A and B.

20. (Currently Amended) The system of claim 1, further comprising an interface to display at least one of a static group or ~~and~~ a dynamic group.

21. (Previously Presented) The system of claim 20, the dynamic group is associated with at least one of an unpacked query or a packed query.

22. (Original) The system of claim 1, further comprising a component to predict initial or default states of newly created groups, the component selects the states automatically, or prompts a user to confirm the selection.

23. (Currently Amended) The system of claim 22, the system suggests a packed state if at least one of:

a name of a group contains recognizable words;

content of the group are of low importance; or ~~and~~

a type of the group indicates a compound document rather then a loose collection of items.

24. (Cancelled).

25. (Currently Amended) A computer readable storage medium including a system for organizing data at a computerized display, comprising:

means for determining a state for a subset of data items, wherein the data items are organized in a hierarchical directory tree structure;

means for assigning the state as a property to the subset of data items; and

means for displaying each item in the subset according to the assigned state, wherein the states include at least a packed state that causes data items in the subset to be displayed as a single icon when viewed from each ~~any~~ higher level hierarchical directory ~~directly~~ location outside of the subset and an unpacked state that causes each data item in the subset to be displayed as an individual icon when viewed from each ~~any~~ higher level hierarchical directory location outside of the subset.

26. (Original) The system of claim 25, further comprising means for displaying the subset of data items as a packed group, an unpacked group, or an overlapping group.

27. (Previously Presented) The system of claim 26, further comprising means for controlling the display of the subset of data items.

28. (Currently Amended) A method for controlling visible output to a display, comprising:

determining packed or unpacked states for a collection of data items, wherein the data items are organized in a hierarchical structure;

grouping the data items according to the determined states;

displaying items that have been grouped and are associated with packed states as a single item in the display when viewed from each ~~any~~ higher level hierarchical structural location outside of the group;

displaying items that are grouped and are associated with unpacked states as individual items in the display when viewed from each ~~any~~ higher level hierarchical structural location outside of the group.

29. (Original) The method of claim 28, further comprising associating the states with properties of a group.

30. (Original) The method of claim 29, further comprising persisting the properties to a storage medium.

31. (Currently Amended) The method of claim 29, further comprising at least one of processing, controlling, or ~~and~~ displaying overlapping groups for the collection of data items.

32. (Currently Amended) The method of claim 31, further comprising displaying an icon representation for at least one of a packed group, an unpacked group, or ~~and~~ the overlapping groups.

33. (Original) The method of claim 32, further comprising providing another display to view individual items of the unpacked group.

34. (Currently Amended) A computer readable storage medium having a data structure stored thereon, comprising:

a first data field related to at least one group property associated with a subset of data items for display, wherein the group property includes at least a packed state that causes data items in the subset to be displayed as a single icon when viewed from each ~~any~~ higher level folder outside of the subset and an unpacked state that causes each data item in the subset to be displayed as an individual icon when viewed from each ~~any~~ higher level folder outside of the subset;

a second data field for the data items; and

a third data field to control how the data items are to be directed to a computerized display.

35. (Original) The computer readable medium of claim 34, further comprising a field for describing rules to control the computerized display.

36. (Original) The computer readable medium of claim 34, further comprising a field to label the subset of data items in accordance with the group property.

37. (Previously Presented) The computer readable medium of claim 34, a switch field describing a desired change of state for the subset of data items.

38. (Currently Amended) The computer readable medium of claim 37, the change of state is associated with at least one of a packed state, an unpacked state, an overlapping state, or ~~and~~ a dynamic state.